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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/864,115

05/24/2001

Indra Laksono

VIXS 007

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01/10/2006

TIMOTHY W. MARKISON

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EXAMINER

PATEL, JAY P

ART UNIT

PAPER NUMBER

2666

DATE MAILED: 01/10/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/864,115

Applicant(s)

LAKSONO, INDRA

Examiner

Jay P. Patel

Art Unit

2666

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 24 May 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-40 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 19-22 is/are allowed.
- 6) ☒ Claim(s) 1, 4, 7, 11, 12, 18, 23, 26, 29, 33, 34 and 40 is/are rejected.
- 7) ☒ Claim(s) 2, 3, 5, 6, 8-10, 13-17, 24, 25, 27, 28, 30-32 and 35-39 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 24 May 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1 and 23 are rejected under 35 U.S.C. 102(e) as being anticipated by Higgins et al. (US Patent 6587480 B1).

3. In regards to claims 1 and 23, Higgins anticipates a method for hub-based network access comprising, receiving packets from at least one of a plurality of clients. Figure 1 discloses a multimedia hub 120; figure 1 also illustrates an isoBridge hub180 the provides bridging function between an isochronous network and a packet network where an end station is communicating via a modem through an isochronous WAN into a packet-based Ethernet (see figure 1 and column 12, lines 58-67).

In further regards to claims 1 and 23, Higgins also anticipates determining whether a network access application is active for the at least one of the plurality of clients. The multimedia manager 190 in figure 1, performs connection management, feature management and system management functions (see figure 1 and column 13, lines 1-9). The above-mentioned functions are interpreted as active functions.

In further regards to claims 1 and 23, Higgins also anticipates processing data of at least one of the packets in accordance with the network access application to produce network data. In figure 2, Higgins discloses that the system design allows an isochronous client device in a client-server-client architecture environment to control another isochronous client's operation directly through signaling (see figure 2, column 13, lines 25-29).

In further regards to claims 1 and 23, Higgins also anticipates determining access to a network connection for transmission of the network data based on a client-access-to-the-network-connection scheme to produce a determined network access. Figure 3, illustrates a block diagram of a signaling and circuit connection procedure allowing remote control of an isochronous device; signaling paths traverse between a client and controlling devices through the public network and the circuit connections traverse between the client and controlling device to the ISDN network (see figure 3 and column 14, lines 53-59).

In further regards to claims 1 and 23, transporting the network data via the network connection based on the determined network access is also anticipated by the same disclosure used with regards to the previous limitation.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the

invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 4 and 26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Higgins (US Patent 6587480 B1) as applied to claim 1 above, and further in view of Dirkmann et al. (US Patent 6922399 B1).

In regards to claims 4 and 26, Higgins teaches all the limitations of claim 1 as stated above. Higgins fails to teach, requesting access to the network connection. Dirkmann discloses the above-mentioned limitation where it is stated that after the connection is setup and authenticated the user delivers a request to the service provider for specific contents or services and the D-Channel bandwidth is adequate for the tasks (see figure 2 and column 3, lines 20-23).

Therefore, it would have been obvious to one skilled in the art at the time the invention was made to combine the hub-based network disclosed by Higgins with the request to service disclosed by Dirkmann.

The proper motivation comes from Dirkmann where it is stated "controlling connections in a communications in a communication network that includes setting up a signaling connection between a subscriber of the communication network and a service access system based on a service connection request" (see column 1 summary of the invention paragraph, 2nd paragraph).

6. Claims 7, 11, 12, 18, 29, 33, 34 and 40 are rejected under 35 U.S.C. 103(a) as being unpatentable over Higgins (US Patent 6587480 B1) as applied to claim 1 above, and further in view of Chu et al. (US Patent 6683858 B1).

7. In regards to claims 7 and 29, Higgins teaches a method for hub-based network access, comprising receiving packets from at least one of a plurality of clients. Figure 1 discloses a multimedia hub 120; figure 1 also illustrates an isoBridge hub 180 the provides bridging function between an isochronous network and a packet network where an end station is communicating via a modem through an isochronous WAN into a packet-based Ethernet (see figure 1 and column 12, lines 58-67).

In further regards to claims 7 and 29, Higgins also teaches interpreting each of the packets to determine whether the each of the packets is a client-to-client packet or a network packet and processing the client packets to produce client-to-client data. In figure 2, Higgins discloses that the system design allows an isochronous client device in a client-server-client architecture environment to control another isochronous client's operation directly through signaling (see figure 2, column 13, lines 25-29). This process constitutes a client-to-client packet. Higgins also discloses in figure 3, illustrates a block diagram of a signaling and circuit connection procedure allowing remote control of an isochronous device; signaling paths traverse between a client and controlling devices through the public network and the circuit connections traverse between the client and controlling device to the ISDN network (see figure 3 and column 14, lines 53-59).

Higgins fails to teach multiplexing the processed client packets for transmission to the plurality of clients to produce multiplexed client packets and transmitting the

multiplexed client data to the plurality of clients. Chu teaches the above-mentioned limitations. In figure 2, the mixer/multiplexer 208 forms multiplexed audio packets to be sent to clients capable of mixing multiple audio streams and also forms mixed audio streams to be sent to non-mixing clients; the system also includes a packet sender 210 which forwards the packets created by mixer/multiplexer 208 to the respective clients (see figure 2, column 4, lines 49-57).

Therefore it would have been obvious to one skilled in the art at the time the invention was made to combine the hub-based network access disclosed by Higgins with the mixer/multiplexer operation disclosed by Chu.

The proper motivation to combine comes from Chu where it is stated "mixing and non-mixing clients can simultaneously participate in a single audio conference application" (see column 2, summary of the invention, 1st paragraph).

In regards to claims 11 and 33, Higgins teaches all the limitations of claim 11, including from each of the packets that is a network packet, identifying at least one of the plurality of clients. In figure 3 step 360, the controlling client request specific control of the remote client.

In further regards to claims 11 and 33, Higgins also discloses determining whether a network access application is active for the at least one of the plurality of clients. The multimedia manager 190 in figure 1, performs connection management, feature management and system management functions (see figure 1 and column 13, lines 1-9).

In further regards to claims 11 and 33, Higgins also discloses processing data of at least one of the packets in accordance with the network access application to produce network data. In figure 2, Higgins discloses that the system design allows an isochronous client device in a client-server-client architecture environment to control another isochronous client's operation directly through signaling (see figure 2, column 13, lines 25-29).

In further regards to claims 11 and 33, Higgins also discloses determining access to a network connection for transmission of the network data based on a client-access-to-the-network-connection scheme to produce a determined network access. Figure 3, illustrates a block diagram of a signaling and circuit connection procedure allowing remote control of an isochronous device; signaling paths traverse between a client and controlling devices through the public network and the circuit connections traverse between the client and controlling device to the ISDN network (see figure 3 and column 14, lines 53-59).

In further regards to claims 11 and 33, transporting the network data via the network connection based on the determined network access is also disclosed by the same disclosure used with regards to the previous limitation.

8. In regards to claims 12 and 34, Higgins discloses receiving network packets via a network connection. Figure 1 discloses a multimedia hub 120; figure 1 also illustrates an isoBridge hub180 the provides bridging function between an isochronous network and a packet network where an end station is communicating via a modem through an

isochronous WAN into a packet-based Ethernet (see figure 1 and column 12, lines 58-67).

In further regards to claims 12 and 34, Higgins also teaches determining identity of at least one of a plurality of clients as a target of at least one of the network packets to produce an identified client. In figure 3 step 360, the controlling client request specific control of the remote client. The specific control of the specific remote client constitutes identifying the client as a target.

In further regards to claims 12 and 34, Higgins also teaches determining whether a network access application is active for the identified client. The multimedia manager 190 in figure 1, performs connection management, feature management and system management functions (see figure 1 and column 13, lines 1-9). The above-mentioned functions are interpreted as active functions.

In further regards to claims 12 and 34, Higgins also teaches when the network access application is active for the identified client, processing data of the at least one of the network packets to produce client data. In figure 2, Higgins discloses that the system design allows an isochronous client device in a client-server-client architecture environment to control another isochronous client's operation directly through signaling (see figure 2, column 13, lines 25-29).

In further regards to claims 12 and 34, Higgins fails to teach multiplexing the processed client packets for transmission to the plurality of clients to produce multiplexed client packets and transmitting the multiplexed client data to the plurality of clients. Chu teaches the above-mentioned limitations. In figure 2, the mixer/multiplexer

208 forms multiplexed audio packets to be sent to clients capable of mixing multiple audio streams and also forms mixed audio streams to be sent to non-mixing clients; the system also includes a packet sender 210 which forwards the packets created by mixer/multiplexer 208 to the respective clients (see figure 2, column 4, lines 49-57).

Therefore it would have been obvious to one skilled in the art at the time the invention was made to combine the hub-based network access disclosed by Higgins with the mixer/multiplexer operation disclosed by Chu.

The proper motivation to combine comes from Chu where it is stated "mixing and non-mixing clients can simultaneously participate in a single audio conference application" (see column 2, summary of the invention, 1st paragraph).

9. In regards to claims 18 and 40, Higgins teaches receiving client-to-client packets from at least one of a plurality of clients. Figure 1 discloses a multimedia hub 120; figure 1 also illustrates an isoBridge hub 180 the provides bridging function between an isochronous network and a packet network where an end station is communicating via a modem through an isochronous WAN into a packet-based Ethernet (see figure 1 and column 12, lines 58-67).

In further regards to claims 18 and 40, Higgins also teaches processing the client-to-client packets to produce processed client packets. In figure 2, Higgins discloses that the system design allows an isochronous client device in a client-server-client architecture environment to control another isochronous client's operation directly through signaling (see figure 2, column 13, lines 25-29). This process constitutes a

client-to-client packet. Higgins also discloses in figure 3, illustrates a block diagram of a signaling and circuit connection procedure allowing remote control of an isochronous device; signaling paths traverse between a client and controlling devices through the public network and the circuit connections traverse between the client and controlling device to the ISDN network (see figure 3 and column 14, lines 53-59).

Higgins fails to teach multiplexing the processed client packets with the client data for transmission to the plurality of clients to produce multiplexed client packets and transmitting the multiplexed client data to the plurality of clients. Chu teaches the above-mentioned limitations. In figure 2, the mixer/multiplexer 208 forms multiplexed audio packets to be sent to clients capable of mixing multiple audio streams and also forms mixed audio streams to be sent to non-mixing clients; the system also includes a packet sender 210 which forwards the packets created by mixer/multiplexer 208 to the respective clients (see figure 2, column 4, lines 49-57).

Therefore it would have been obvious to one skilled in the art at the time the invention was made to combine the hub-based network access disclosed by Higgins with the mixer/multiplexer operation disclosed by Chu.

The proper motivation to combine comes from Chu where it is stated "mixing and non-mixing clients can simultaneously participate in a single audio conference application" (see column 2, summary of the invention, 1st paragraph).

Allowable Subject Matter

10. Claims 2, 3, 5, 6, 8, 9, 10, 13, 14, 15, 16, 17, 24, 25, 27, 28, 30, 31, 32, 35, 36, 37, 38 and 39 objected to as being dependent upon a rejected base claim, but would be

allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

11. Claims 19-22 are allowed.

12. In regards to claim 19, the cited prior art either individually or in combination fails to disclose video graphics processor operably coupled to the memory, wherein the video graphics processor generates the display data from network data, memory controller operably coupled to the processor, the video graphics processor, and the memory, wherein the memory controller controls access to the memory.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jay P. Patel whose telephone number is (571) 272-3086. The examiner can normally be reached on M-F 9:00 am - 5:00 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Seema Rao can be reached on (571) 272-3174. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

DANG TON
PRIMARY EXAMINER

Art Unit: 2666

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JPP 1/5/06
Jay P. Patel
Assistant Examiner
Art Unit 2666